

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P737947

Luminaire Tested: **14PT-70-PC3-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737947
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-70-PC3-L930
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

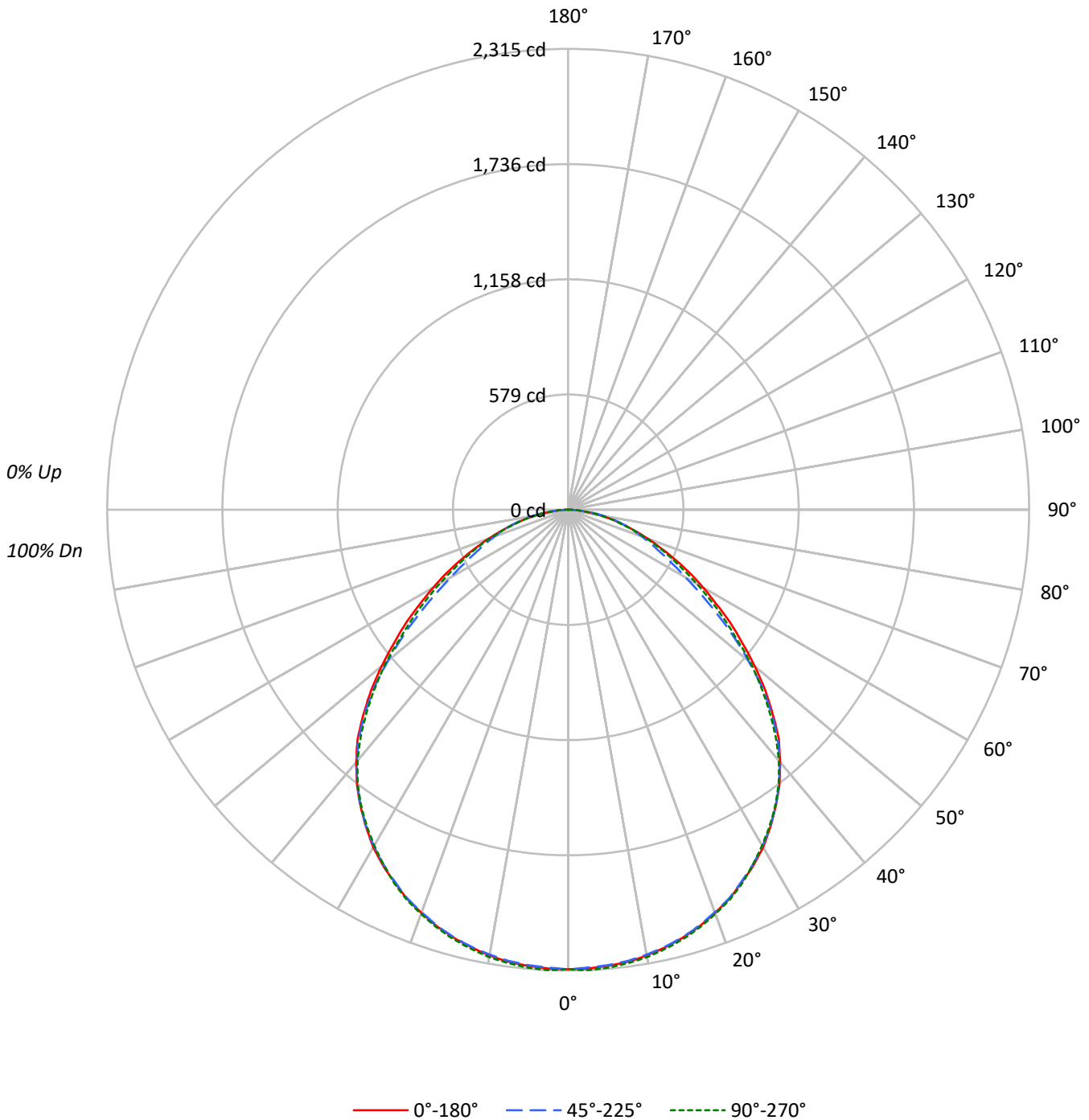
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5820.0 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 62.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

TEST NUMBER: P737947
CATALOG NUMBER: 14PT-70-PC3-L930

Luminous Intensity Polar Plot





TEST NUMBER: P737947

CATALOG NUMBER: 14PT-70-PC3-L930

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6921	6921	6921
5°	6923	6910	6950
10°	6922	6910	6948
15°	6907	6899	6930
20°	6875	6865	6894
25°	6828	6817	6845
30°	6777	6754	6743
35°	6655	6648	6636
40°	6479	6469	6440
45°	6161	6116	6053
50°	5703	5511	5573
55°	5205	4782	4998
60°	4694	4080	4476
65°	4194	3649	4024
70°	3720	3453	3619
75°	3290	3348	3224
80°	2837	3194	2823
85°	2129	2528	2129



TEST NUMBER: P737947

CATALOG NUMBER: 14PT-70-PC3-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.0	3.8
10°-20°	628.5	10.8
20°-30°	951.5	16.3
30°-40°	1134.5	19.5
40°-50°	1108.5	19.0
50°-60°	847.6	14.6
60°-70°	544.2	9.3
70°-80°	302.7	5.2
80°-90°	83.6	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1799.0	30.9
0°-40°	2933.4	50.4
0°-60°	4889.5	84.0
0°-90°	5820.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5820.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2309	2309	2309	2309	2309	
5°	2300	2302	2296	2307	2310	219
15°	2225	2227	2223	2230	2233	628
25°	2064	2067	2061	2068	2069	952
35°	1818	1820	1816	1816	1813	1136
45°	1453	1456	1442	1439	1428	1118
55°	996	961	915	926	956	890
65°	591	546	514	532	567	590
75°	284	286	289	285	278	304
85°	62	73	74	71	62	76
90°	0	0	0	0	0	



TEST NUMBER: P737947

CATALOG NUMBER: 14PT-70-PC3-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2308.6	2308.6	2308.6	2308.6	2308.6
2.5°	2307.0	2307.8	2302.0	2311.9	2315.2
5°	2300.4	2302.0	2296.2	2307.0	2309.5
7.5°	2290.5	2292.1	2286.3	2297.1	2297.9
10°	2273.9	2274.8	2269.8	2280.6	2282.2
12.5°	2251.7	2254.1	2248.4	2258.3	2259.1
15°	2225.2	2226.9	2222.8	2230.2	2232.7
17.5°	2193.9	2194.7	2190.6	2198.8	2199.6
20°	2155.0	2155.0	2151.7	2160.8	2160.8
22.5°	2115.4	2112.9	2112.1	2115.4	2120.4
25°	2064.2	2066.7	2060.9	2067.5	2069.2
27.5°	2014.7	2014.7	2009.7	2013.0	2008.9
30°	1957.7	1954.4	1951.1	1951.9	1947.8
32.5°	1889.2	1889.2	1887.5	1887.5	1882.6
35°	1818.2	1819.8	1816.5	1815.7	1813.2
37.5°	1742.2	1744.7	1738.9	1737.3	1735.6
40°	1655.5	1655.5	1653.0	1649.7	1645.6
42.5°	1565.5	1565.5	1554.8	1546.5	1540.7
45°	1453.2	1456.5	1442.5	1439.2	1427.6
47.5°	1341.7	1339.3	1320.3	1317.8	1311.2
50°	1222.8	1208.8	1181.6	1189.0	1194.8
52.5°	1103.9	1086.6	1047.0	1055.2	1065.1
55°	995.8	961.1	914.9	926.4	956.1
57.5°	882.7	836.4	790.2	811.7	848.8
60°	782.8	730.7	680.4	703.5	746.4
62.5°	687.0	631.7	591.2	613.5	649.8
65°	591.2	545.8	514.4	531.7	567.2
67.5°	503.7	473.1	451.7	459.9	488.8
70°	424.4	405.4	393.9	396.3	412.8
72.5°	349.3	344.3	340.2	340.2	341.8
75°	284.0	286.5	289.0	284.9	278.3
77.5°	223.8	232.0	237.8	229.5	221.3
80°	164.3	177.5	185.0	175.9	163.5
82.5°	112.3	127.2	129.6	123.9	109.8
85°	61.9	72.7	73.5	71.0	61.9
87.5°	23.1	27.2	29.7	27.2	23.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)